

CODE DATA:

BUILDING CODES: IBC FOR CONSTRUCTION, LIFE SAFETY CODE FOR LIFE SAFETY AND EGRESS.

CODE EDITIONS: IBC 2009, NFPA 101 2009

CONSTRUCTION TYPE: IIB NON-COMBUSTIBLE

OCCUPANCY: MIXED NON-SEPARATED BASED ON I-1 FOR AREA

ACTUAL USE IS BUSINESS AND INSTITUTIONAL / RESIDENTIAL.

ACTUAL AREA OF BUILDING: APPROXIMATELY 23,300 SQUARE FEET

ALLOWABLE AREA FOR I-1: 47,500 SQUARE FEET

TABLE ALLOWED: 10,000 SQUARE FEET

SPRINKLER CREDIT: 30,000 SQUARE FEET

OPEN AREA: 7,500 SQUARE FEET

SPRINKLERED: 2010 NFPA 13

INSTITUTIONAL HEADS ARE USED IN SLEEPING AREAS

AREA REDUCTIONS TAKEN FOR QUICK RESPONSE HEADS

KITCHEN SUPPRESSION SYSTEMS IN DAY-ROOM HOODS

FIRE ALARM: 2010 NFPA 72

EVACUATION UPON GENERAL ALARM OR SMOKE.

MANUAL PULL STATIONS ARE KEY OPERATED ONLY BY STAFF.

ALL SLEEPING ROOMS ARE PROVIDED WITH ADA STROBES PER VA.

ACCESS CONTROL AND DELAYED EGRESS PER NFPA 101

TRAVEL DISTANCES ARE INDICATED WITH (ALLOWED) IN BRACKETS

OCCUPANT LOADS: 173 TOTAL

RESIDENTIAL WING @ 200 SQFT PER PERSON: 40 OCCUPANTS

BUSINESS WING @ 100 SQFT PER PERSON: 133 OCCUPANTS

SR CODE REQUIRED 30 MINUTE RATING, OFTEN CONSTRUCTED TO 1-HR

1-HR ONE HOUR FIRE RATING

DESIGN CONCEPTS:

- DESIGN IS BASED ON A COMPILATION OF CRITERIA FROM THE INTERNATIONAL BUILDING CODE, LIFE SAFETY CODE, VETERANS ADMINISTRATION DESIGN MANUALS, VA SPECIFICATIONS, ETC. CONTRACTORS SHALL PAY CLOSE ATTENTION TO DOCUMENTS FOR UNIQUE CONDITIONS.
- RESIDENTIAL ROOMS ARE ALL DESIGNED TO ACCOMMODATE HEARING IMPAIRED INDIVIDUALS. AS SUCH, MULTIPLE POWER PANELS ARE REQUIRED.
- RESIDENTIAL ROOMS SHALL BE DESIGNED WITH CONSIDERATION OF INDIVIDUALS WHO MAY TRY AND TAMPER WITH DEVICES. TAMPER RESISTANT SCREWS/BOLTS SHALL BE USED WITH FIRE PROTECTION DEVICES IN GUEST ROOMS WHEREVER AVAILABLE.
- UPON ACTIVATION OF A FIRE ALARM IT IS EXPECTED THAT ALL OCCUPANTS SHALL EVACUATE THE BUILDING. SEE NOTES AND MATRIX REGARDING SLEEPING ROOM SMOKE DETECTORS.
- ACCESS CONTROL DEVICES ARE PROVIDED WITH DELAYED EGRESS COMPONENTS IN ACCORDANCE WITH LIFE SAFETY CODE. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR OPERATIONAL SEQUENCE. UNDER NO CONDITION SHALL SUCH DEVICES VIOLATE SPECIFIC PROVISIONS OF THE LIFE SAFETY CODE.

DELAYED-EGRESS LOCKING SYSTEMS:

- APPROVED AND LISTED DELAYED-EGRESS SYSTEMS SHALL COMPLY WITH NFPA 101, SECTION 7.2.1.6, AND THE FOLLOWING:
 - ACTIVATION OF AUTOMATIC SPRINKLER SYSTEM, OR
 - ANY AREA SMOKE DETECTOR, OR
 - ANY MANUAL PULL STATION
- UPON LOSS OF POWER TO THE LOCKING SYSTEM.
- AN IRREVERSIBLE PROCESS SHALL RELEASE THE LOCK WITHIN 15 SECONDS UPON APPLICATION OF A FORCE TO THE RELEASE DEVICE UNDER THE FOLLOWING:
 - THE FORCE SHALL NOT EXCEED 15 LBF.
 - THE FORCE SHALL NOT BE REQUIRED TO BE APPLIED FOR MORE THAN 3 SECONDS TO INITIATE.
 - UPON INITIATION AN AUDIBLE SIGNAL SHALL ACTIVATE IN THE PROXIMITY OF THE DOOR.
 - ONCE ACTIVATED, RELOCKING SHALL BE BY MANUAL MEANS.
- A READILY VISIBLE AND DURABLE SIGN IN LETTERS NOT LESS THAN 1-INCH HIGH AND NOT LESS THAN 1/8-INCH STROKE WIDTH ON A CONTRASTING BACKGROUND THAT READS "PUSH UNTIL ALARM SOUNDS" DOOR CAN BE OPENED IN 15 SECONDS".
- DOORS SHALL BE CONFIGURED TO IMMEDIATELY RELEASE UPON FUNCTIONS BY STAFF MEMBERS WHICH MAY INCLUDE SWIPING A CARD, ENTERING A CODE, ETC.

FIRE DEPARTMENT REQUIREMENTS:

- DEAD-END ACCESS ROADS FOR FIRE DEPARTMENT TRUCKS SHALL NOT BE MORE THAN 150 FEET WITHOUT PROVISIONS TO TURN AROUND.
- KNOX BOX SHALL BE PROVIDED AT MAIN ENTRANCE.
- ROOMS CONTAINING FIRE ALARM PANEL, SPRINKLER RISER, AIR CONDITIONING SYSTEMS SHALL BE IDENTIFIED BY APPROVED SIGNS TO IDENTIFY LOCATION. SIGNS SHALL BE PERMANENTLY INSTALLED AND READILY VISIBLE.
- FIRE DEPARTMENT CONNECTIONS (FDC'S) SHALL INCLUDE 5-INCH STORZ CONNECTION WITH A LOCKING KNOX CAP. STORZ SHALL BE INSTALLED ON A 30 DEGREE ELBOW TURNED DOWN. OVERALL HEIGHT OF CONNECTION SHALL BE BETWEEN 30 AND 48 INCHES. SEE WWW.KNOXBOX.COM FOR KNOX COMPONENTS.
- FDC SHALL BE WITHIN 100-FEET OF A FIRE HYDRANT.

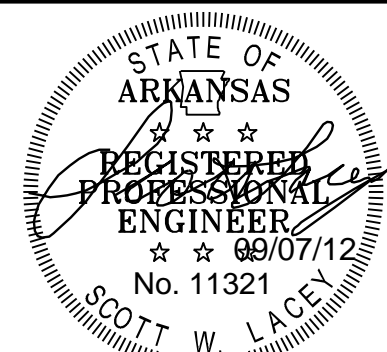
A KNOX LOCK SHALL BE PROVIDED ON THE ACCESS GATE WITH CHAIN OR MANNER THAT WILL ALLOW BOTH THE OWNER AND FIRE DEPARTMENT TO UNLOCK THE GATE WITH TWO INDEPENDENT LOCKS.

DRAWING IS NOT TO SCALE SO THAT THE ENTIRE BUILDING WILL FIT ON ONE SHEET.

CONSULTANTS:

Lacey
Fire Protection
Engineering, LLC
17 BUSINESS PRK DR
SUITE #10
GREENBRIER, AR 72058
PH: (501) 679-2373
www.LaceyFPE.com

THIS IS NOT AN ORIGINAL SEALED DOCUMENT.
AN ORIGINAL SEALED COPY IS AVAILABLE AT 17 BUSINESS PARK DRIVE #10 GREENBRIER, AR 72058.



ARCHITECT / ENGINEERS:

TAGGART
ARCHITECTS

4500 Burrow Drive
North Little Rock, AR 72116
Phone: 501-758-7443
Fax: 501-753-7309
www.taggartch.com

**LIFE SAFETY PLAN
AREAS "A", "B", "C"**

Approved: Project Director

•
•
•

Project Title
RENOVATE LEROY POND ARMY
RESERVE CENTER FOR MENTAL
HEALTH RESIDENTIAL REHABILITATION
TREATMENT / POLICE TRAINING

Location
FAYETTEVILLE, ARKANSAS

Date
9/7/12

Checked
SWL

Drawn
SWL

Project Number
564-341

Building Number

Drawing Number
LS-101

Dwg. 4 of 126

**Office of
Facilities
Management**

